

DUTY STATEMENT

Classification: Electrical Engineer	Position No. 440-3613-001
CBID: R09	Office: Local Assistance and Financing
Date Prepared: December 8, 2014	Division: Efficiency
KEY: (E) IS ESSENTIAL, (M) IS MARGINAL	

The Electrical Engineer is under the supervision of the Energy Commission Supervisor II (TED) in the Local Assistance and Financing Office of the Efficiency Division. The incumbent will analyze energy expenditure plans and related projects under the California Clean Energy Jobs Act (Proposition 39) and will independently perform electrical engineering work to identify opportunities for making energy efficiency improvements in the electrical systems in schools and school related facilities. Incumbent will review energy details relative to photovoltaic projects (PV), including cost to investment ratio, understanding amperage, voltage, and sizing of panels, the ability to evaluate financial characteristics for PV projects and the ability to read drawings and review specifications.

WORKING CONDITIONS: The work is typically performed in an indoor office and meeting room setting involving sitting, standing, and walking, but may involve occasional outdoor work to evaluate energy using equipment and systems. Work area is well lighted and ventilation is adequate. The noise level may be high. Some travel is required to attend off-site meetings or participate in conferences, workshops and hearings. Additional hours beyond an eight hour workday or 40-hour workweek may be required. While performing the duties described below, the incumbent will be required to work alone and/or in a team environment, using a personal computer and appropriate Energy Commission software such as word processing, electronic mail, WebEx and Internet browsers.

DUTIES AND RESPONSIBILITIES:

- 35% Under direction, perform a wide variety of field and office electrical engineering assignments. Perform electrical and electronic engineering technical analysis involved with building illumination, outdoor and indoor lighting, power installations – including photovoltaic projects, power density, electric control systems, communication and electronic systems and provide recommendations on existing electrical installations, inspect and test electrical installations and recommend improvements of electrical equipment or systems of proposed projects. Familiarity of Title 24 Part 6 recommended. (E)
- 30% Provide electrical engineering analysis on issues related to the California Clean Energy Jobs Act (Proposition 39), including reviewing energy details relative to photovoltaic projects (PV), including savings to investment ratio, understanding amperage, voltage, and sizing of panels, the ability to estimate kW/hour cost structures for PV projects and the ability to read drawings and review specifications. (E)
- 15% Present conclusions and recommendations and advise the Commission, other governmental agencies, public and investor owned utilities and others regarding technical,

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economic, and environmental feasibility of energy efficiency, distributed generation and load management measures in California. (E)

10% Manage projects, loans, grants and contracts and interact with public agencies, state government, and others. (E)

5% Testify on request at Energy Commission hearings or on behalf of the Energy Commission before County Offices of Education (COE), and Local Education Agencies (LEAs) on technical issues, as well as complex and technical problems relating to energy efficiency and distributed generation applications. (E)

5% Perform other duties as required consistent with the specifications of this classification. (M)

SIGNATURES	
I Certify That I Am Able To Perform, With Or Without The Assistance Of A Reasonable Accommodation, The Essential Job Duties Of This Position	
<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between;"> Vacant Date </div> <div>Electrical Engineer</div>	<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between;"> William Pfanner Date </div> <div>Energy Commission Supervisor II (TED)</div>